

FIG. 1

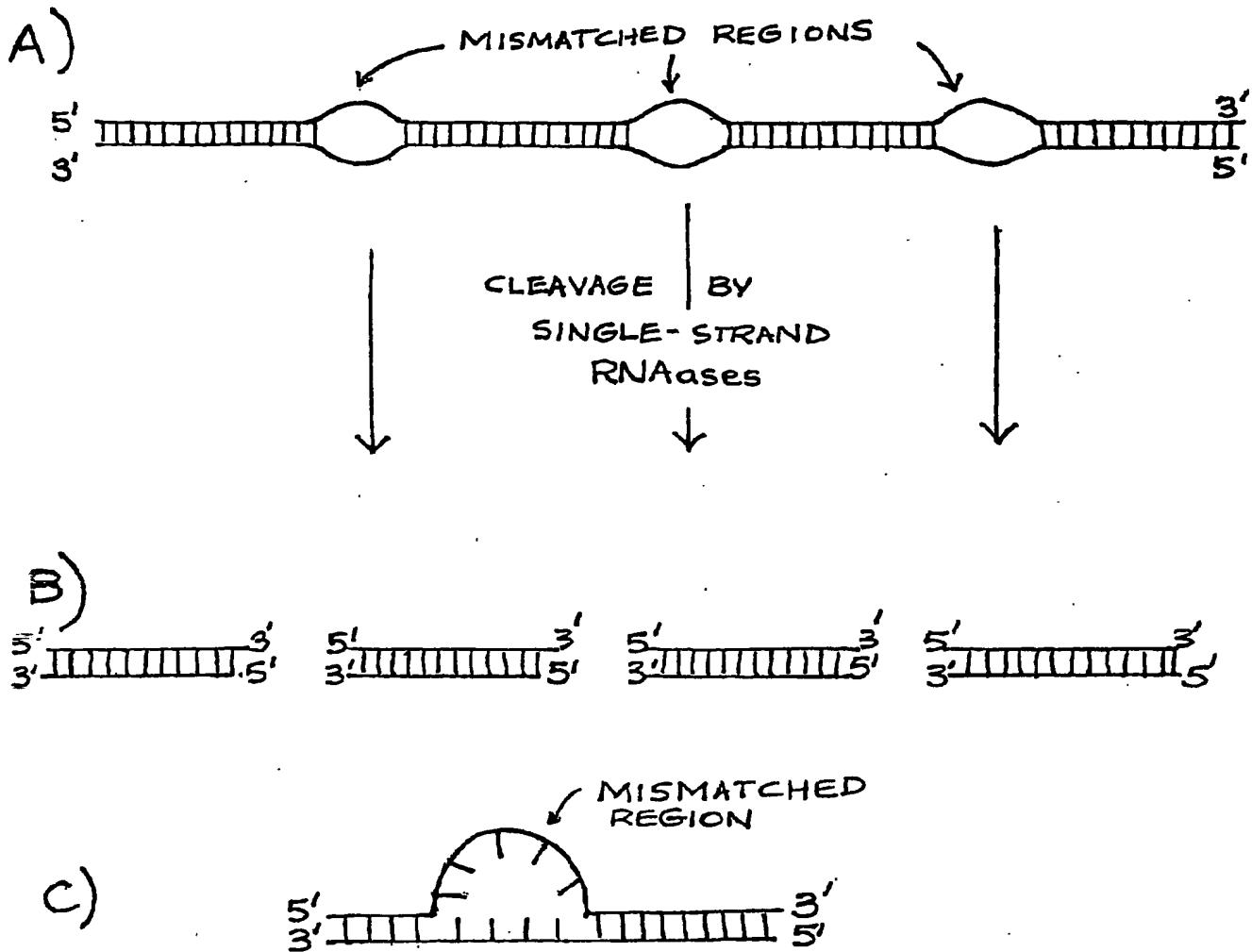
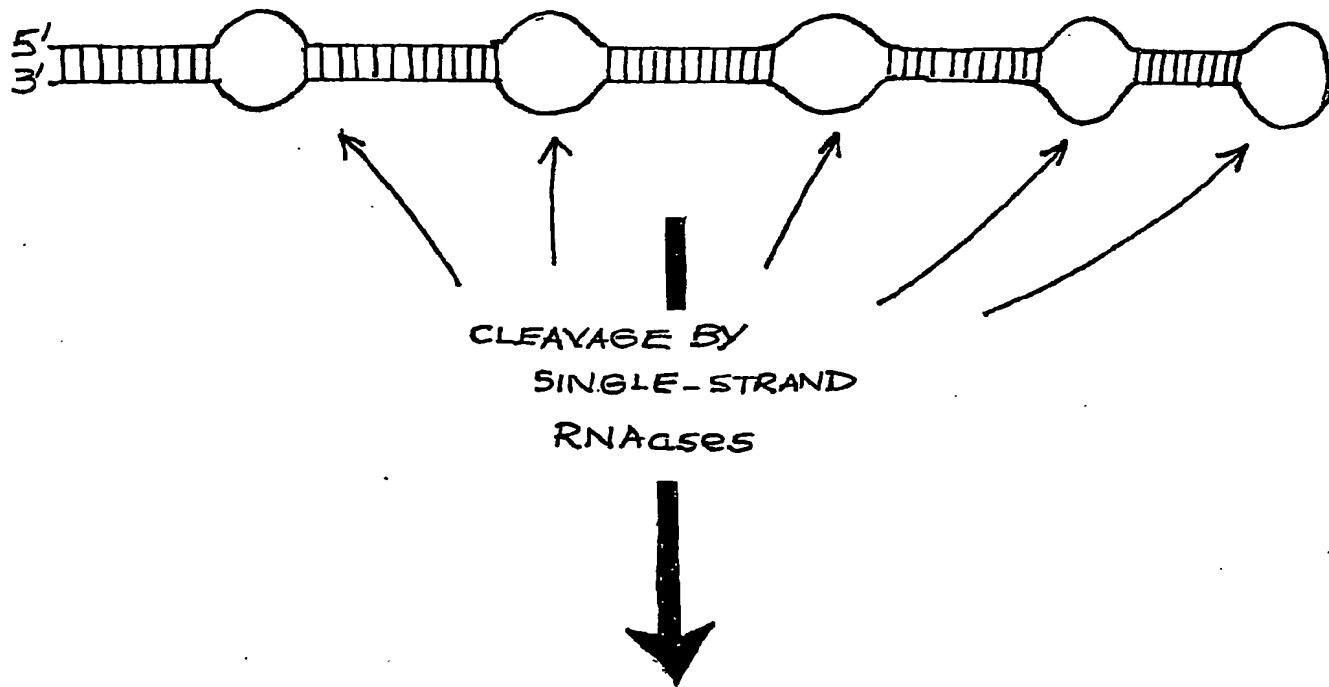


FIG. 2

A)



B)



C)

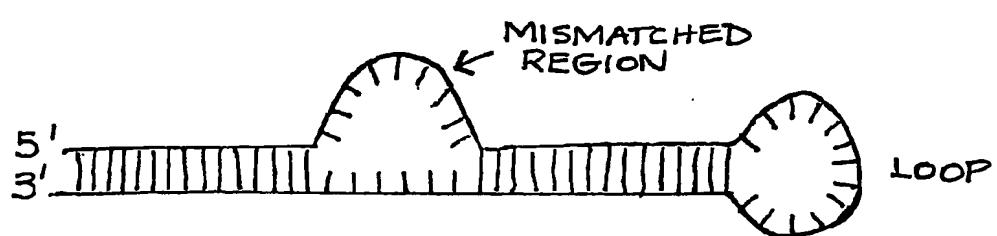
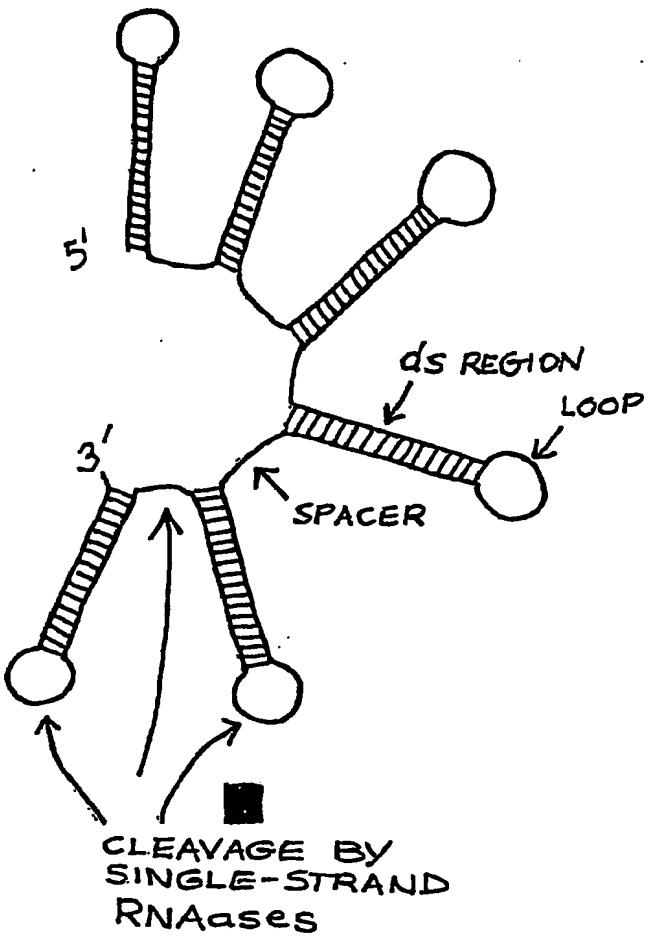


FIG. 3

A)



B)

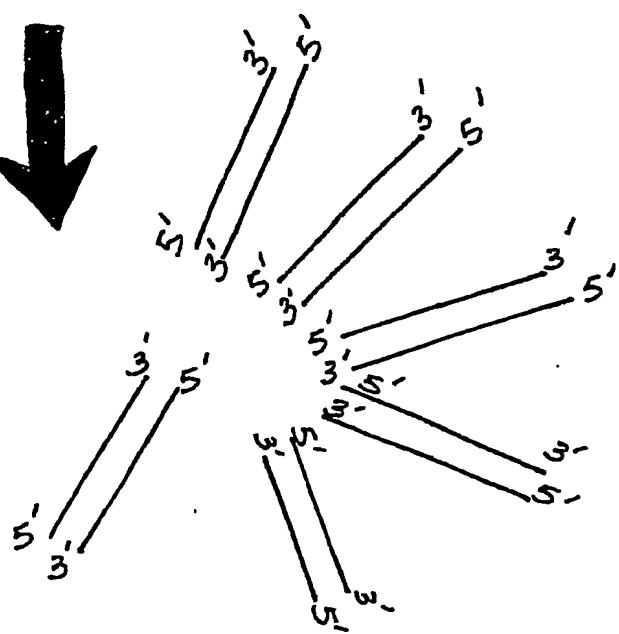


FIG. 4

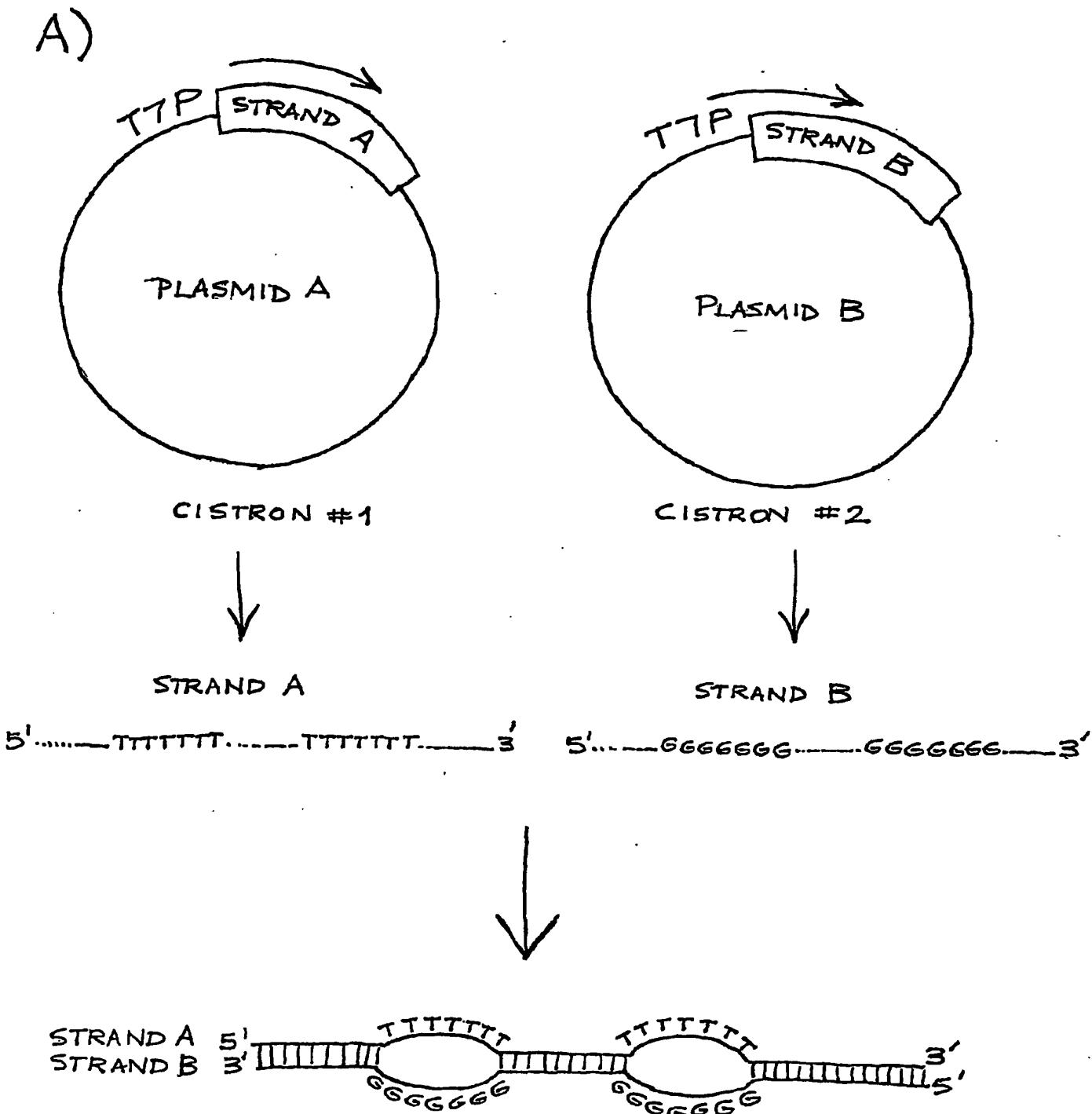


FIG. 4

B)

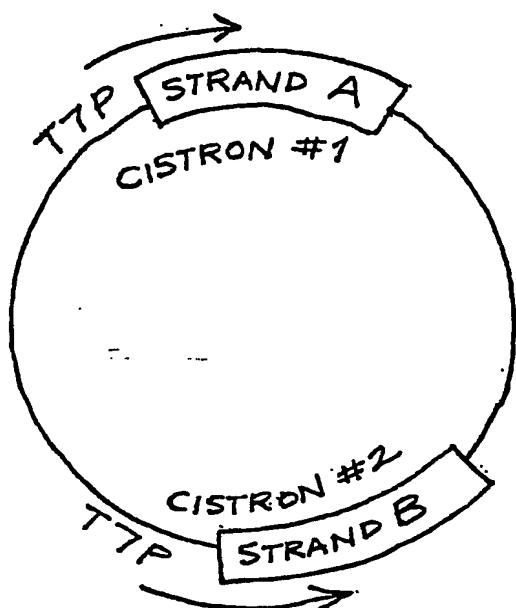
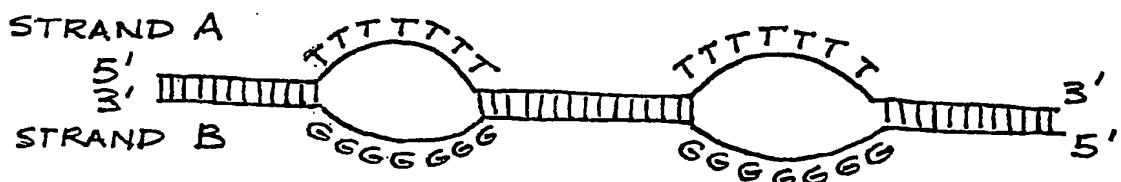
↓  
TRANSCRIBE  
↓

FIG. 5A

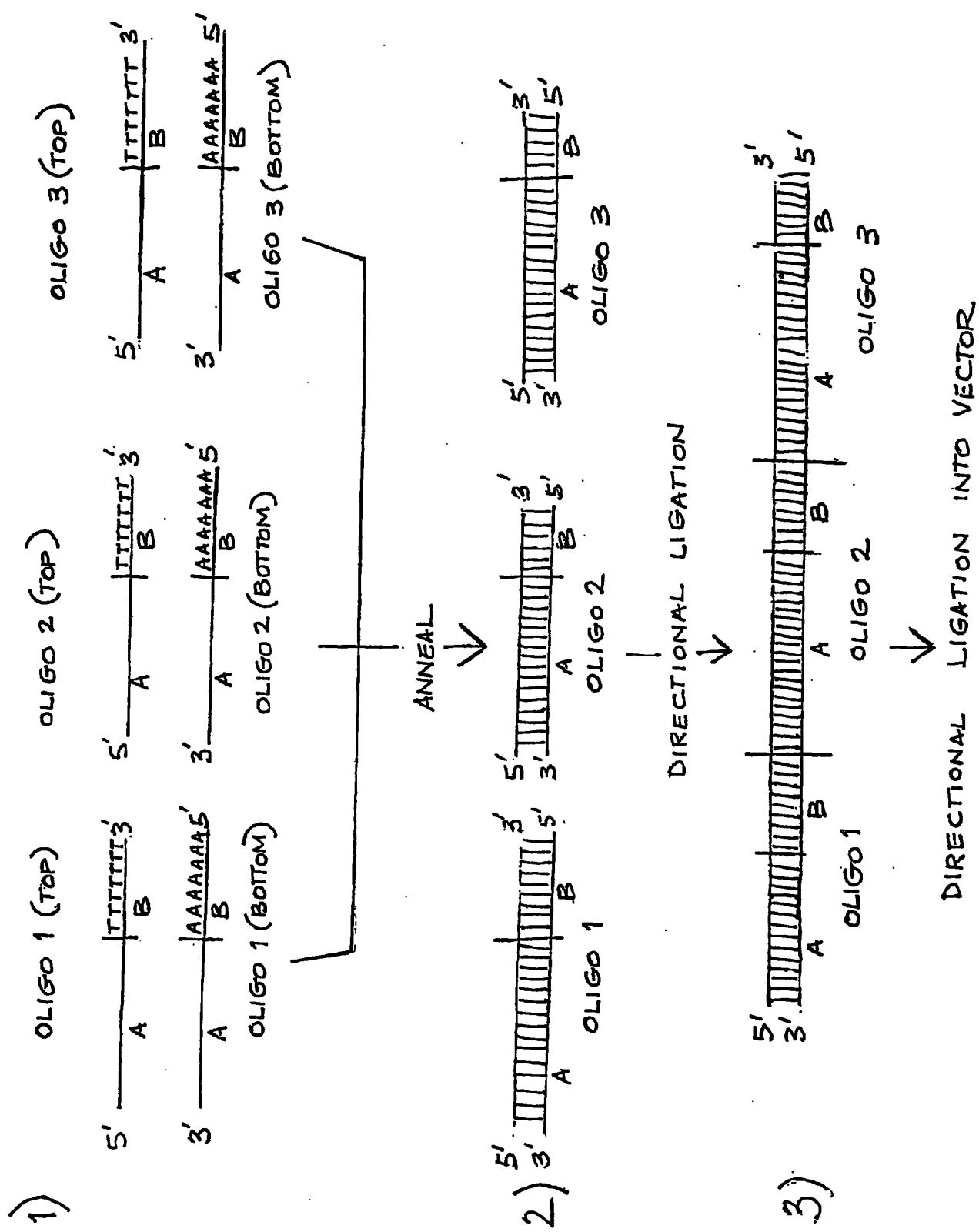
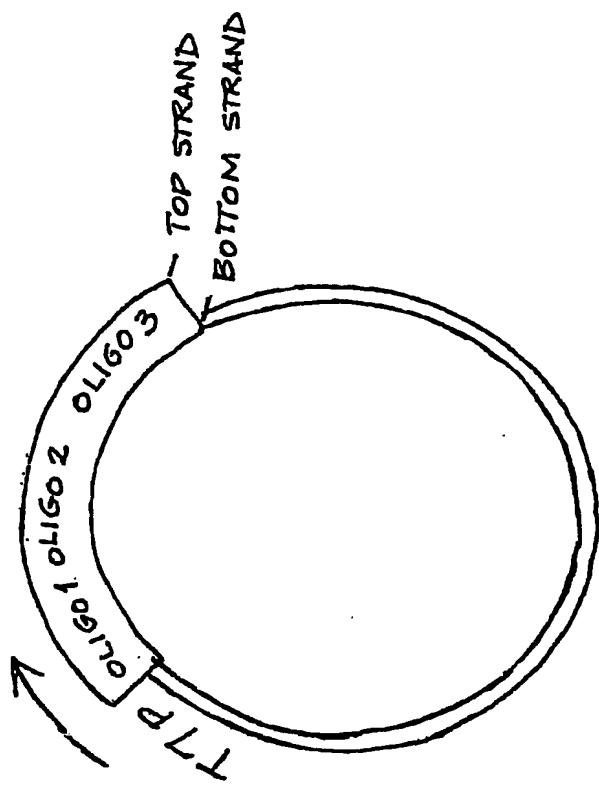


FIG. 5A

4



OLIGO 1                    OLIGO 2                    OLIGO 3  
 $5'$  ————— A ————— B ————— TTTTTT ————— A ————— TTTTTT ————— B

FIG. 5B

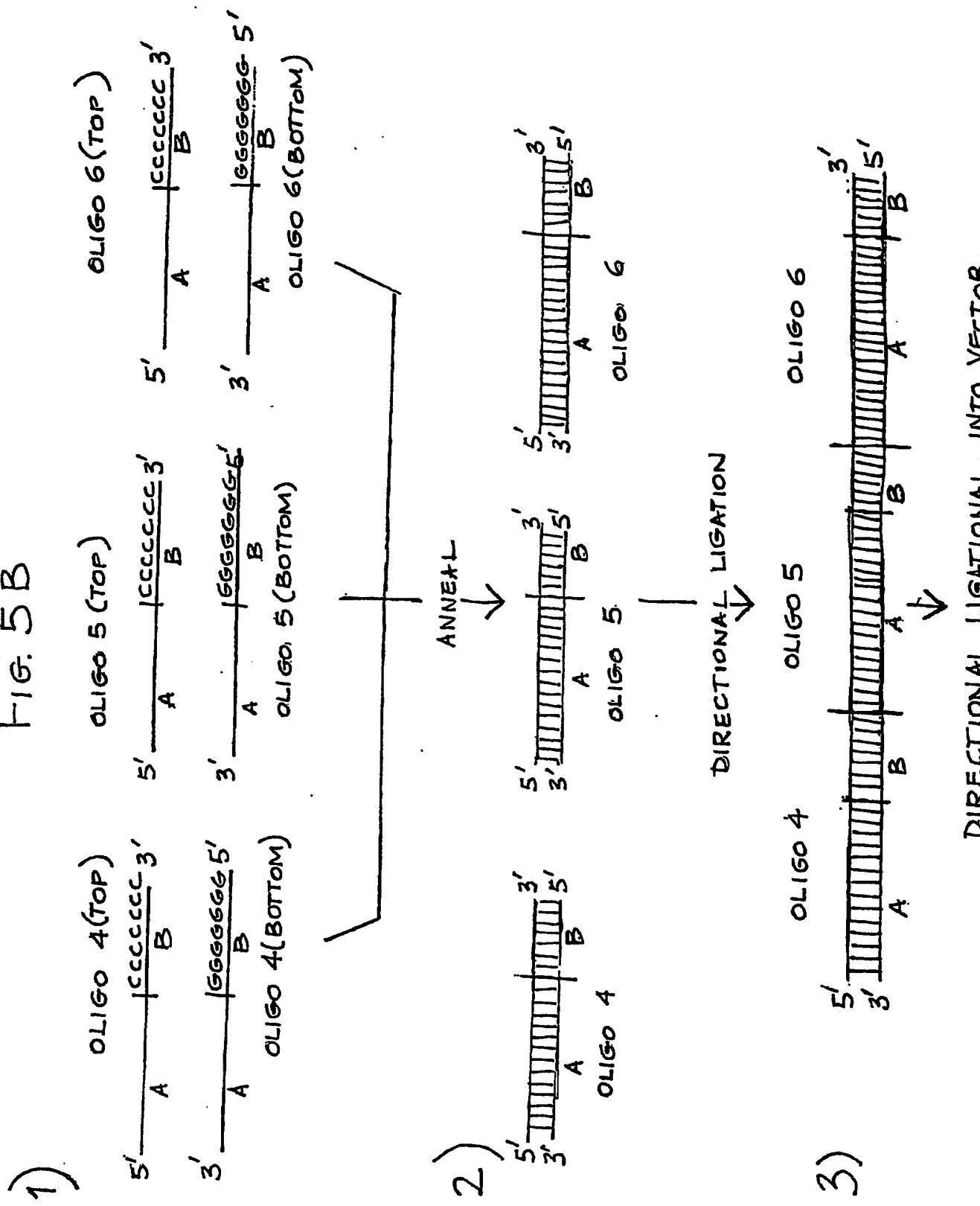


FIG. 5B

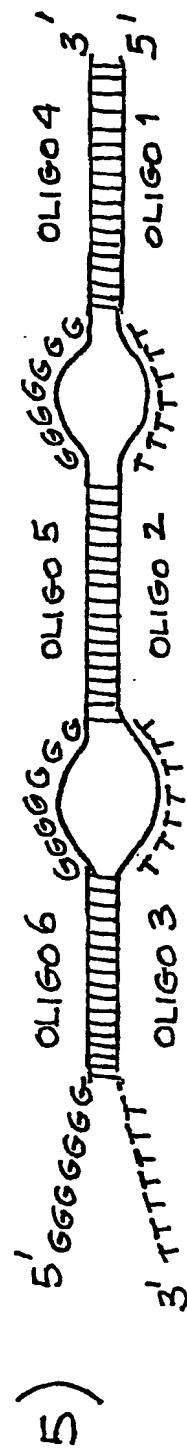
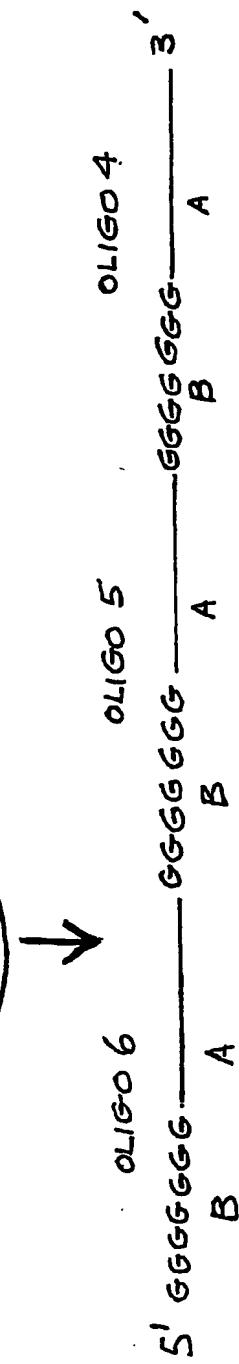
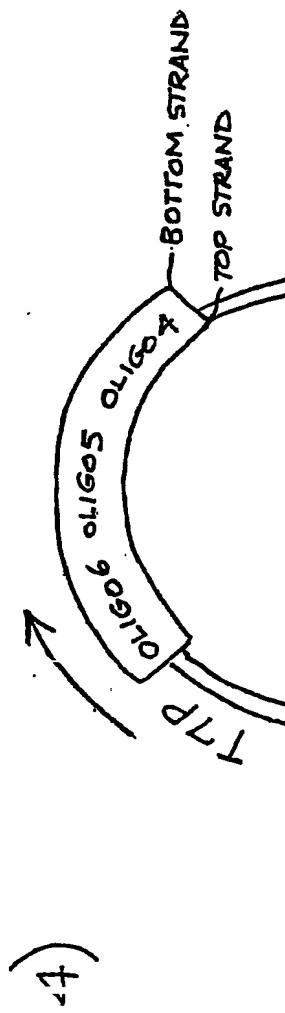


FIG. 6  
(SECTIONS 1, 2)

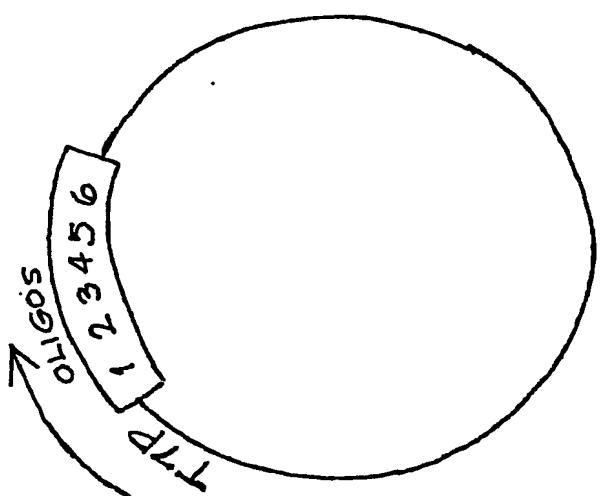
OLIGO 6 PAIR	OLIGO 5 PAIR	OLIGO 4 PAIR
$5' \dots TCTTCGCCCC 3'$	$5' \dots CCCCCC GGGGGG 3'$	$5' \dots CCTTCC GGGGGG 3'$
A B	A B	A B
$3' \dots GGAAAGGCC 5'$	$3' \dots GGGGG CCCCCC 5'$	$3' \dots GGAGG CCCCCC 5'$

ANNEAL,  
DIRECTIONALLY LIGATE

Oligo 1	Oligo 2	Oligo 3	Oligo 4	Oligo 5	Oligo 6
5' GAGAGA...  Ts GGCGGG...  Ts GAAAGG...  Ts ...CCTTGGs   Gs ...CCCCC   Gs ...TCTCTC					
3'   B A   A B   A B   A B   A B   A B					

→ **LIGATE INTO  
VECTOR**

Fig. 6  
(sections 3,4)



3

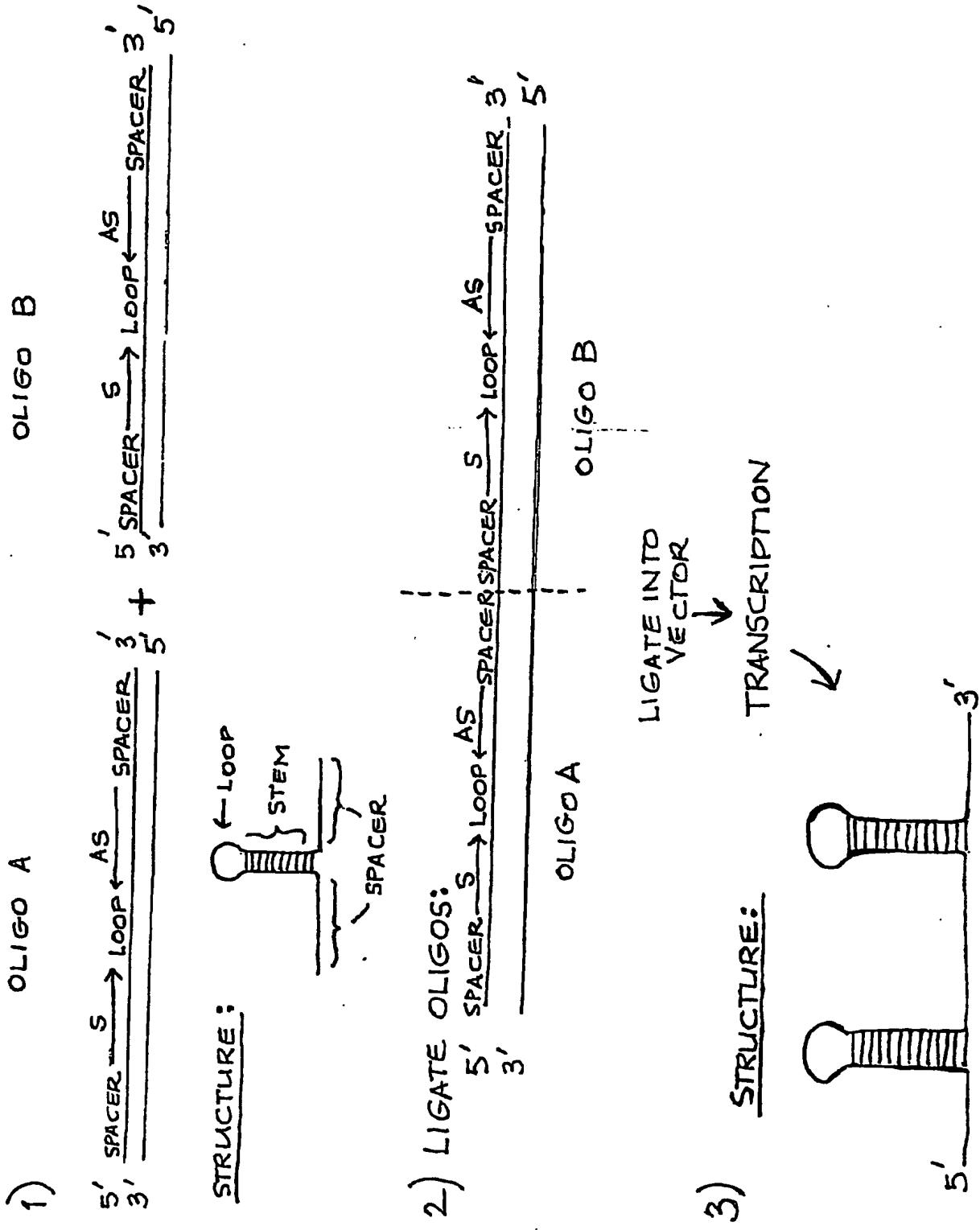
TRANSCRIPTION →

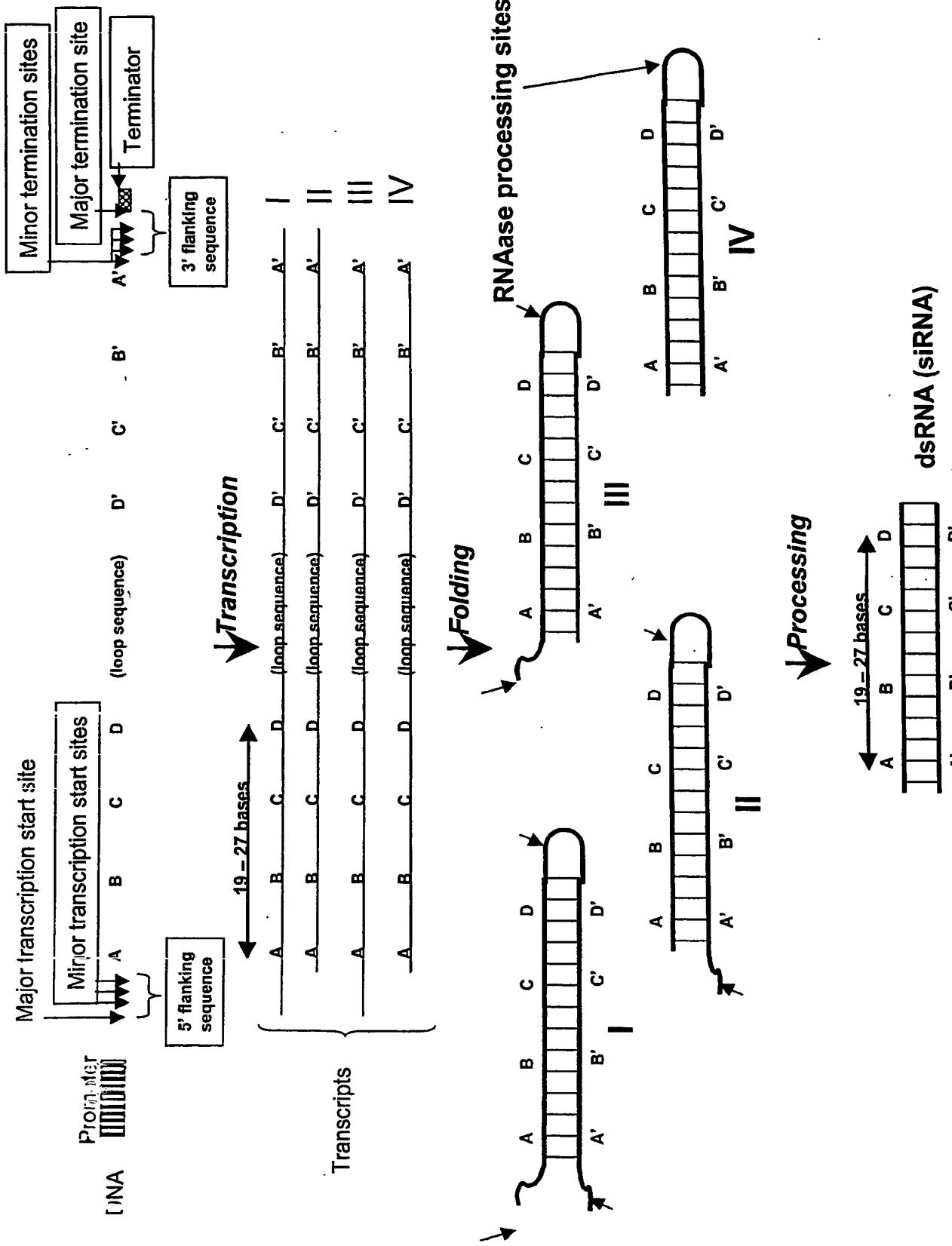
4

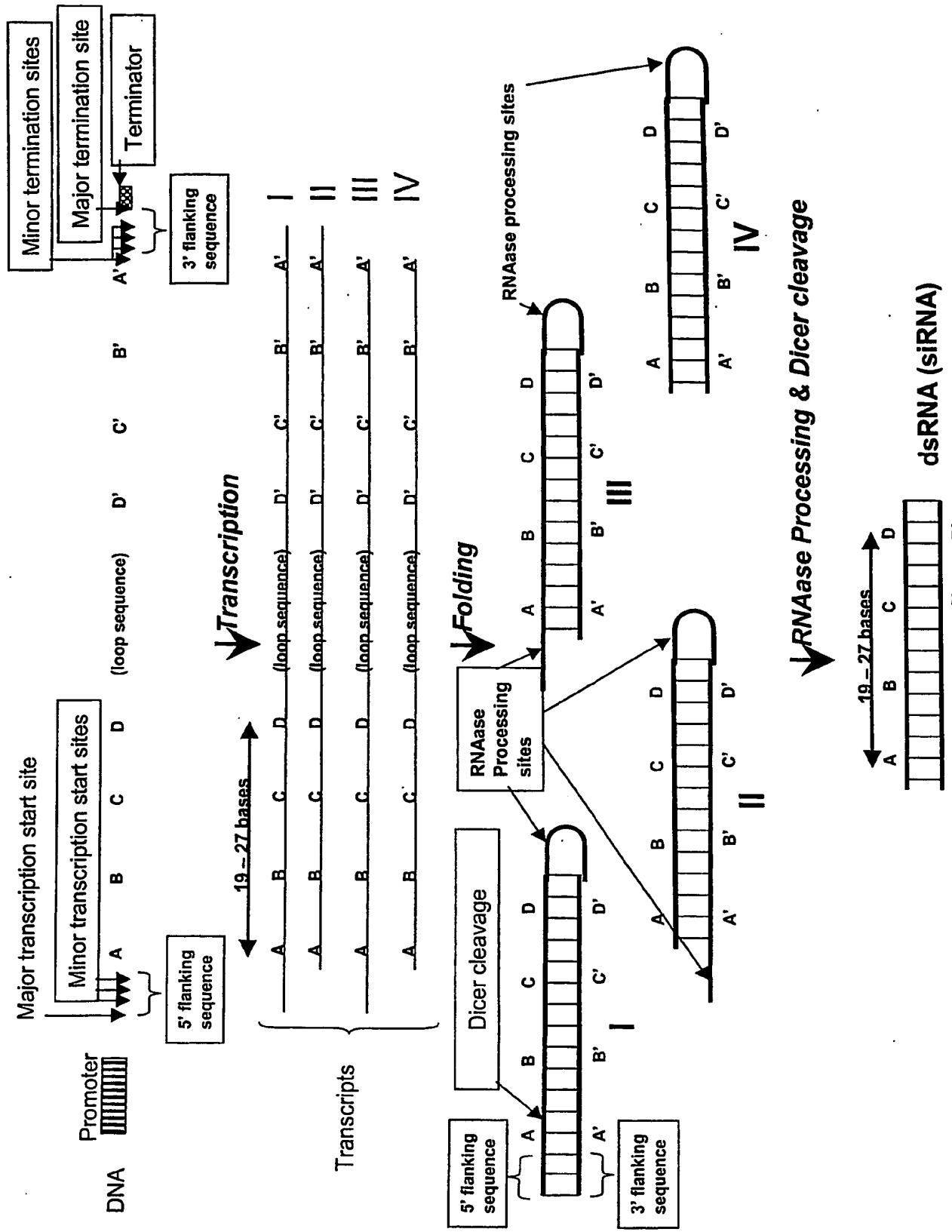
FIG. 7  
(SECTIONS 1-3)

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**FIGURE 8A**

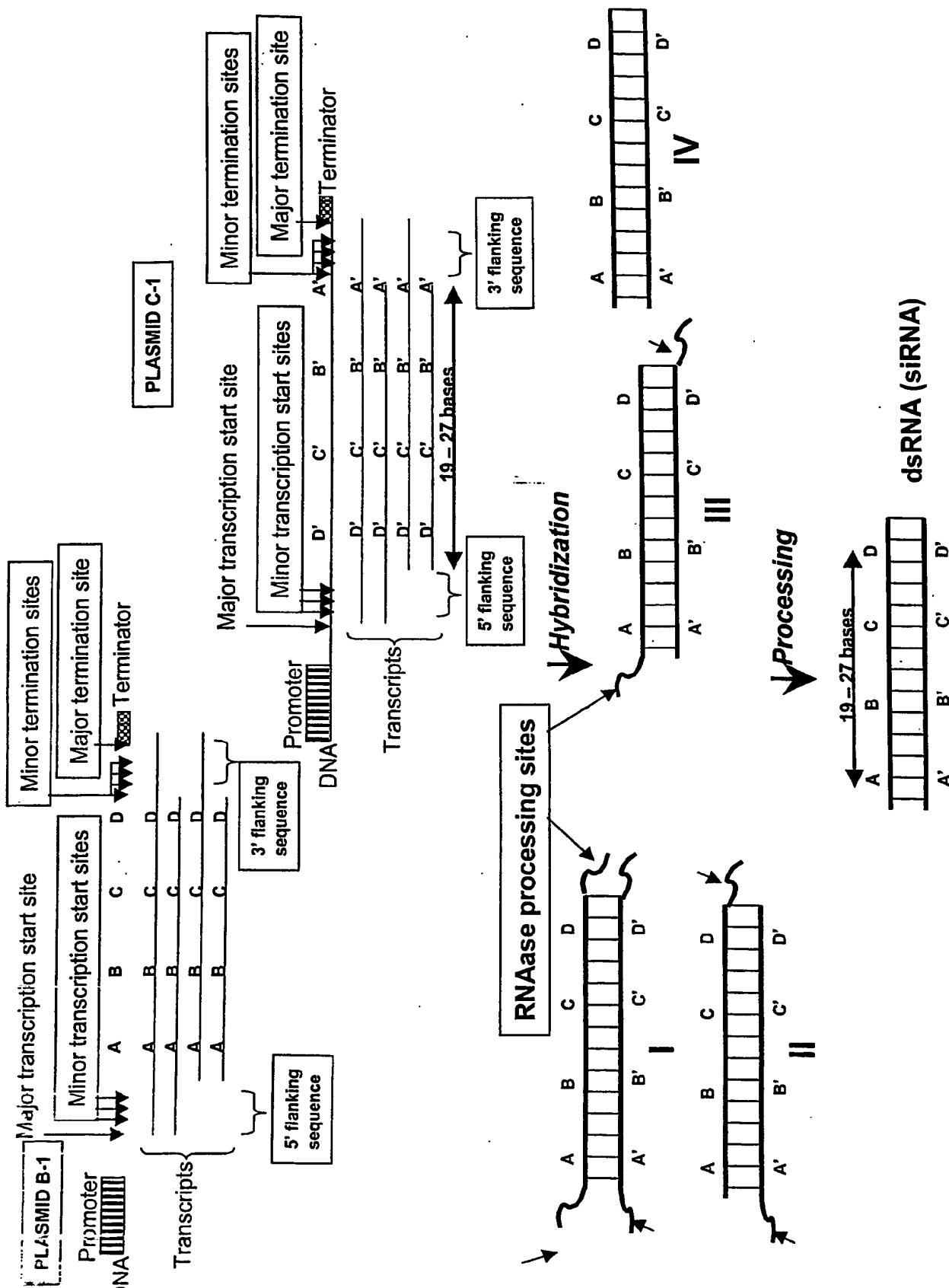
**FIGURE 8B**

## FIGURE 8C

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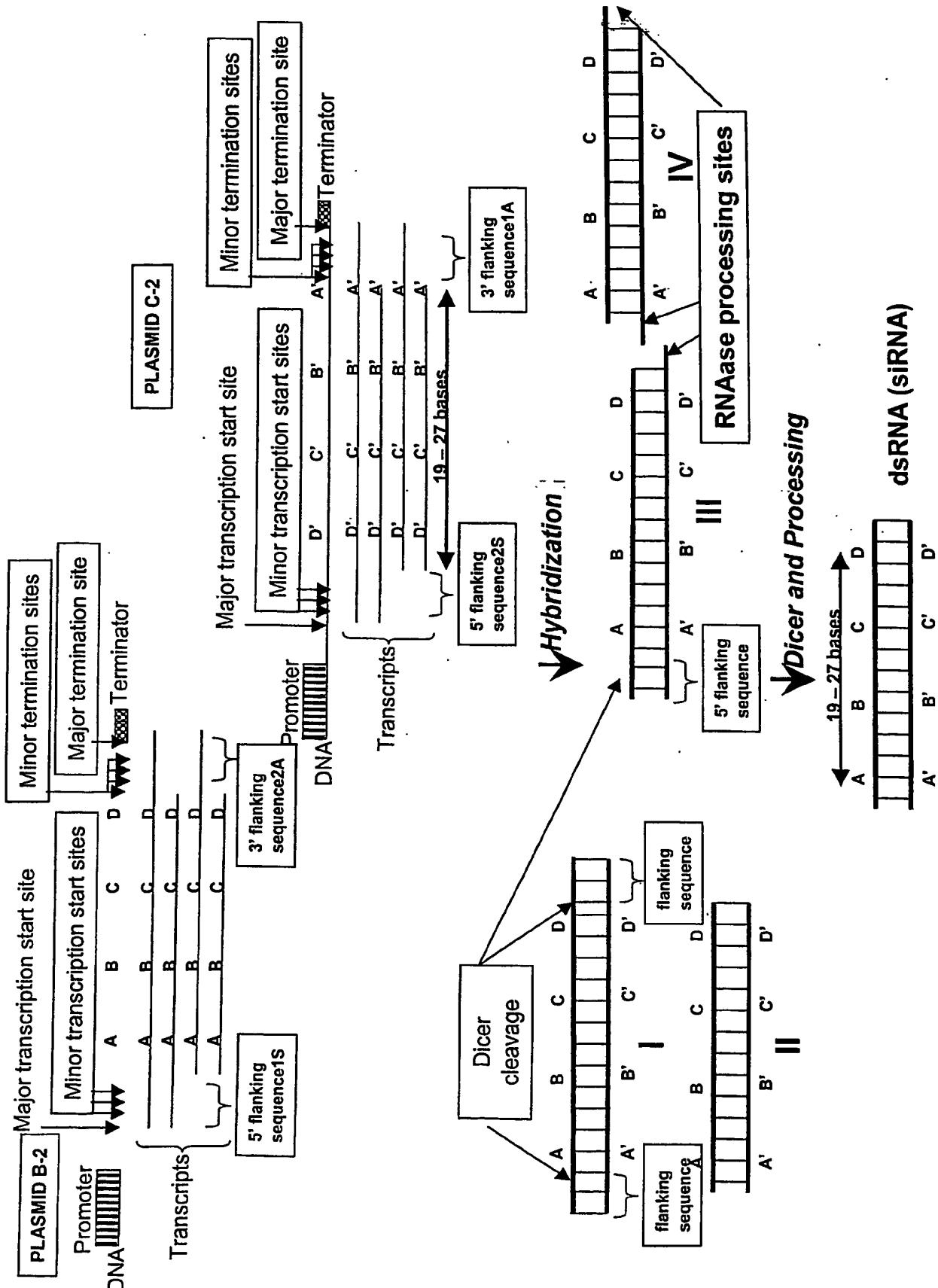
**FIGURE 8D**

FIGURE 8E

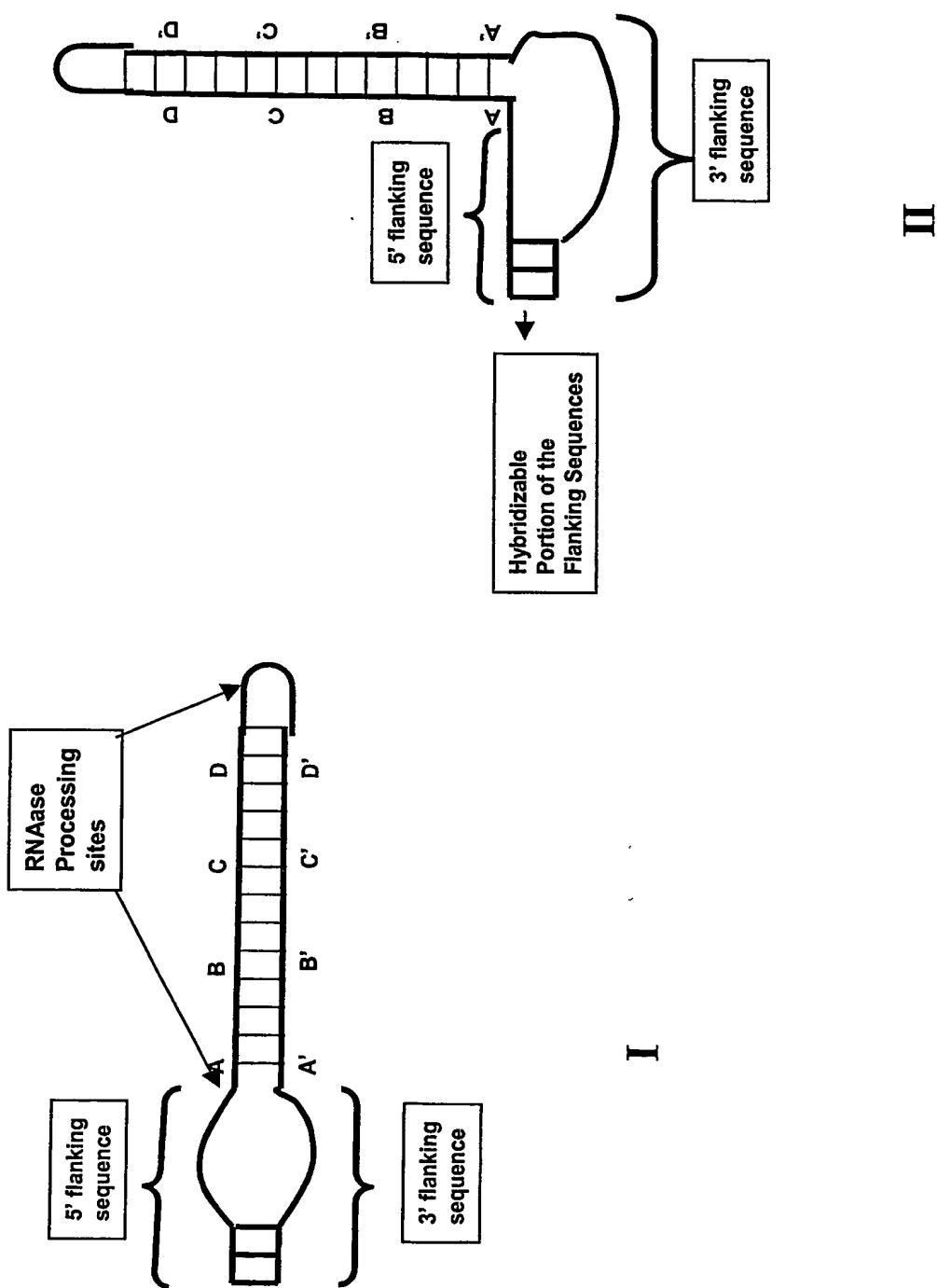


FIGURE 8F

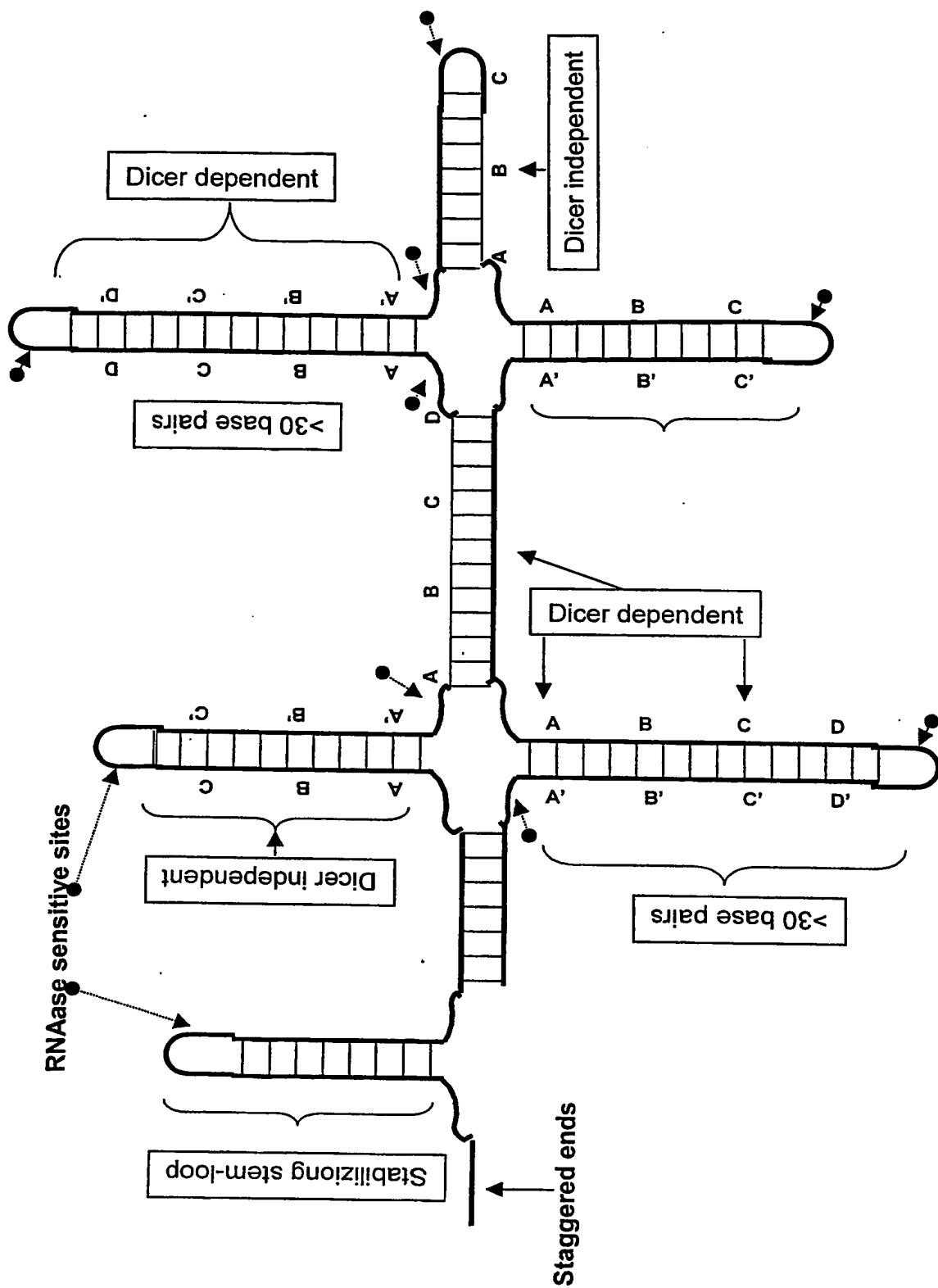
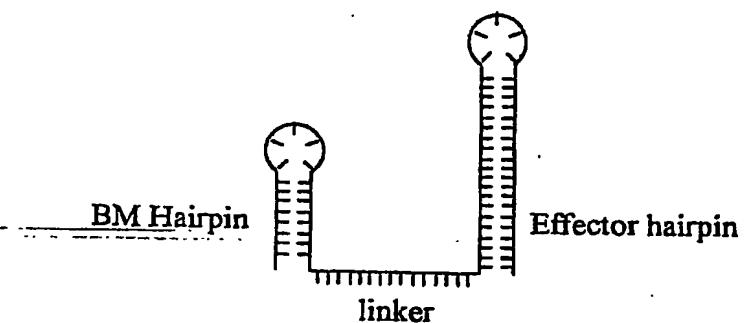


Fig. 9.



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